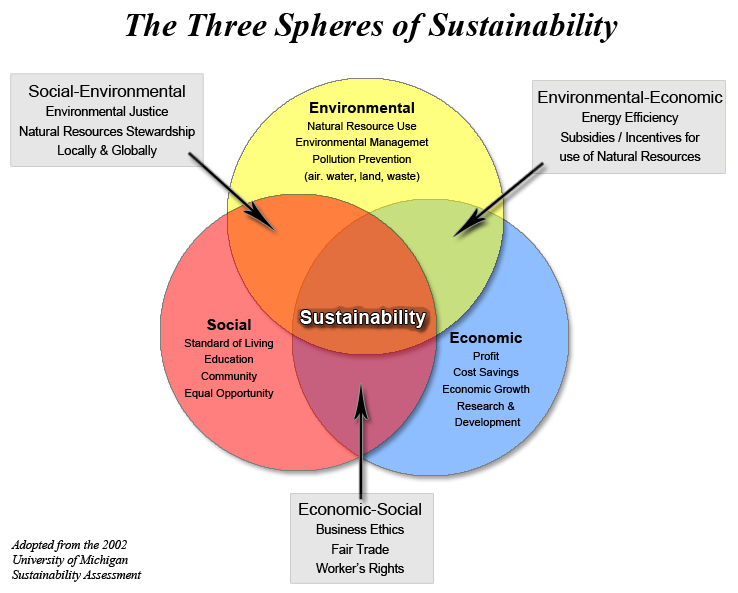
**Name: Michael Dunstan**

**Task 4**

**Devise strategies for incorporating sustainability into an ICT project**

**2.3. Establish, regularly review and improve key performance indicators (KPI) on sustainability performance**

**2.4. Incorporate innovative planning and design rules for ICT projects which foster sustainability and environmental best practice** 

**Read:** **Sustainable Development Key Performance Indicators**

<http://www.sd-m.de/files/SD-KPI_Standard_2010-2014_V12e.pdf>

1. **Explain the most important sustainability challenges at top management level,**
2. **Explain a minimum reporting standard of sustainability for annual reports**
3. **Explain why Sustainable Development needs integration into mainstream investment.**

Innovative planning and design

<http://www.greenit.net/solutions_enterprise.html>

According to a May 2007 report from Cisco, packet voice networking costs only 20 to 30 percent of an equivalent circuit-based voice network. Unified messaging services allows the consolidation of fax machines, video conference rooms and voicemail systems into a single platform, with infrastructure cost savings of as much as 40%.

Lyra Research states that usage of converged network copier-printers products allows equipment consolidation, reducing the number of output devices in a typical corporation by up to 60%. In addition, IT departments are freed from supporting diverse types of printers. Hewlett-Packard‘s Neoware thin client computing solutions announced that its devices can help companies reduce computing-related energy costs by up to 90 percent.



Create a design for a simple LAN of 20 seats that embodies some of these IT innovations in providing computing and printing.

**Hardware**

|  |  |  |
| --- | --- | --- |
| **Hardware** | **Cost(AUD$)** | **URL** |
| **Dell PowerEdge T310** | **$1,649.00** | [**http://configure.ap.dell.com/dellstore/config.aspx?oc=t420901au&model\_id=poweredge-t310&c=au&l=en&s=bsd&cs=aubsd1**](http://configure.ap.dell.com/dellstore/config.aspx?oc=t420901au&model_id=poweredge-t310&c=au&l=en&s=bsd&cs=aubsd1) |
| **Pro Safe TM 24 Gigabit Rack mount Switch (JGS524)** | **$299.99** | [**http://www2.netgear.com.au/au/Product/Switches/Unmanaged-Rackmount-/JGS524**](http://www2.netgear.com.au/au/Product/Switches/Unmanaged-Rackmount-/JGS524) |
| **HP T510 Flexible Thin Client**  **X20** | **$259 x20**  **= 5180** | [**http://h10010.www1.hp.com/wwpc/us/en/sm/WF06a/12454-12454-321959-338927-3640406-5226831.html?dnr=1**](http://h10010.www1.hp.com/wwpc/us/en/sm/WF06a/12454-12454-321959-338927-3640406-5226831.html?dnr=1) |
| **N900 Wireless Dual Band Gigabit Router with USB** | **$259.01** | [**http://accessories.ap.dell.com/sna/productdetail.aspx?c=au&l=en&s=dhs&cs=audhs1&sku=A6053362&~ck=baynoteSearch&baynote\_bnrank=0&baynote\_irrank=0**](http://accessories.ap.dell.com/sna/productdetail.aspx?c=au&l=en&s=dhs&cs=audhs1&sku=A6053362&~ck=baynoteSearch&baynote_bnrank=0&baynote_irrank=0) |
| **Dell v725w All in one Wireless Inkjet Printer** | **$152** | [**http://accessories.ap.dell.com/sna/productdetail.aspx?c=au&cs=audhs1&l=en&sku=210-39218**](http://accessories.ap.dell.com/sna/productdetail.aspx?c=au&cs=audhs1&l=en&sku=210-39218) |
| **HP W2072a 20 Diagonal LED backlit LCD  Monitor (A3M50AA)** | **$199** | [**http://www8.hp.com/au/en/products/monitors/index.html**](http://www8.hp.com/au/en/products/monitors/index.html) |

Reference: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>

Design for a simple LAN of 20 seats meeting all 3 KPI (comparatively):

